

PROJECT 10073 RECORD CARD

1. DATE 14 June 1963	2. LOCATION OS ECHO (Atlantic)	12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other Satellite ECHO I <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local _____ GMT 14/2301Z	4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar	5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6. SOURCE Military	7. LENGTH OF OBSERVATION Not reported	8. NUMBER OF OBJECTS one
9. COURSE NE	10. BRIEF SUMMARY OF SIGHTING Satellite in transit from SW to NE. 1st mag. Estimated altitude 75 deg 30 min max.	11. COMMENTS ECHO I. ECHO crossed equator at 2236Z at 74.41W and reached peak of orbit at 2304Z. This would place the Satellite in the area of the sighting.

ATIC FORM 329 (REV 26 SEP 52)

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 192 (15 Jun 63) A/rIj **I N C O M I N G**

ACTION: NIN-9

INFO : XOP-1, XOPX-4, SAF-OS-3, ARMY-2, NAVY-2, CMC-8, JCS-35,
DIA-25, DIA/CIIC-2, OSD-15, NSA-7, CIA-11 (125)

SMB E 007

ZCZCHQA293ZCECA008-

OO RUEAHQ

DE RUEGUF 002

ZNR

O 142331Z

FM COMEASTAREA

TO RUCKHC/CINCLANTFLT

RUWGALB/CINCNORAD ENT AFB COLO

RUEAYQ/COFS USAF WASHDC

RUCKDT/COMASWFORLANT

RUEGUH/COMEASTSEAFRON

RCEOM/CANCOMARLANT

RCCSC/CANAIRDEF

INFO RUECJD/COMDT COGARD

P 142322Z

FM OS ECHO

TO COMEASTAREA

GR18

BT

UNCLAS. MERINT.

2301Z OBSERVED APPARENT SATELLITE TRANSIT SW TO NE. FIRST
MAGNITUDE. EST MAX HEIGHT 75 DEGREES 30 MINUTES.

BT

NOTE: Adv cy to NIN, XOPX & DIA.

SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, MASSACHUSETTS

JUNE 3, 1963

SATELLITE 1960 IOTA 1, WCHO 1

These predictions are based on orbital elements revised on June 3, 1963

T₀ = June 4.0, times are in days, U.T.Argument of perigee = 276°306 + 3°3877 (t-T₀)Right ascension of ascending node = 203°064 - 3°2988 (t-T₀)

Inclination = 47°2357

Eccentricity = 0.064912 + 6.22 × 10⁻⁴ (t-T₀)

Semi-major axis = 7.842655 megameters

Mean anomaly (Rev.) = 0.32330 + 3.0853 × 10⁻⁴ (t-T₀)²

SATELLITE 1960 IOTA 1

FOR OTHER LATITUDES

EQUATOR

S-N

TIME LONG.

(UT)

LAT.

SOUTH-NORTH

TIME LONG. MT. BEAR.

CORR. (UT) (IN-E)

TIME LONG. MT. BEAR.

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